

#### ABSTRACT OF THE DISCLOSURE

In a vehicle air conditioner, at least one of an inner surface temperature of a passenger compartment and a surface temperature of a passenger in each detection area is detected by an infrared rays sensor, and a control unit determines a solar radiation condition such as a solar radiation amount and a solar radiation direction in the passenger compartment based on the surface temperature detected by the infrared rays sensor. The control unit controls operation of an operation member such as an air mixing door, based on the determined solar radiation condition. Thus, uncomfortable feeling given to the passenger can be reduced regardless of the solar radiation condition.